

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	09/554,531	BEELEY ET AL.	
	Examiner	Art Unit	
	Andrew D. Kosar	1654	

All Participants:

(1) Andrew D. Kosar.

(2) James Butler.

Status of Application: _____

(3) _____

(4) _____

Date of Interview: 18 September 2006

Time: 14:00

Type of Interview:

- ☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☒ Yes ☐ No

If Yes, provide a brief description: *proposed amendments/examiner's amendment.*

Part I.

Rejection(s) discussed:

n/a

Claims discussed:

1,29,42

Prior art documents discussed:

n/a

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:

See Continuation Sheet

Part III.

- ☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

Andrew D. Kosar
 (Examiner/SPE Signature)

 (Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: The examiner' contacted Applicant's representative to suggest claim amendments that would likely put the claims in condition for allowance. During the interview a sequence compliance issue was discovered: claims 1, 29 and 42 no longer were commensurate with the sequences recited (additional residues now recited as variables, entered by amendment, are not found in sequence listing). Additionally, US Patent 6,506,724 was noted as of possible relevance to the instant application by the examiner. Because of the sequence compliance issue, a notice to comply would be mailed. In order to expedite prosecution the examiner faxed the proposed changes to the claims for applicant's review. It was further noted by the examiner that claim 42 would not necessarily require a sequence listing, as proposed, as it recites 'branched' sequences which are specifically excluded by the sequence rules..



UNITED STATES PATENT AND TRADEMARK OFFICE

Facsimile Transmission

To:	Name:	James Butler
	Company:	Amylin Pharmaceuticals, Inc.
	Fax Number:	858-552-1936
	Voice Phone:	(858)458-8564
From:	Name:	Andrew D. Kosar, Ph.D.
	Voice Phone:	(571) 272-0913

37 C.F.R. 1.6 sets forth the types of correspondence that can be communicated to the Patent and Trademark Office via facsimile transmissions. Applicants are advised to use the certificate of facsimile transmission procedures when submitting a reply to a non-final or final Office action by facsimile (37 CFR 1.8(a)).

Fax Notes:

Mr. Butler, please find the attached proposed claim amendments as per our discussion earlier today. I believe these amendments will likely place the claims in condition for allowance. As I indicated, a sequence compliance issue is present, introduced by the amendments of 5/26/04, and must be rectified. A sequence compliance letter will be mailed which details the specific issues regarding the compliance.

Date and time of transmission: Monday, September 18, 2006 4:03:10 PM
Number of pages including this cover sheet: 12

DRAFT EXAMINER'S AMENDMENT

The application has been PROPOSED TO BE amended as follows:

REPLACE claim 1 with the following:

Claim 1. A peptide compound or pharmaceutically acceptable salt, thereof, selected from:

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Ala-Xaa₃₆-Xaa₃₇-Xaa₃₈-Xaa₃₉-Z₂, (SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Ala-Xaa₃₆-Xaa₃₇-Xaa₃₈-Z₂, (residues 1-38 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Ala-Xaa₃₆-Xaa₃₇-Z₂, (residues 1-37 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Ala-Xaa₃₆-Z₂, (residues 1-36 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Ala-Z₂, (residues 1-35 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Z₂, (residues 1-34 of SEQ ID NO:4)-Z₂;

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Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Z₂, (residues 1-33 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Z₂, (residues 1-32 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Z₂,
(residues 1-31 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Z₂,
(residues 1-30 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Z₂, (residues 1-
29 of SEQ ID NO:4)-Z₂; and

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Z₂, (residues 1-28 of
SEQ ID NO:4)-Z₂;

wherein:

Xaa₁ is His, Arg, Tyr, Ala, Norval, Val or Norleu;

Xaa₂ is Ser, Gly, Ala or Thr;

Xaa₃ and Xaa₂₄ are each independently Ala, Asp or Glu;

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Xaa₄ is Ala, Norval, Val, Norleu or Gly;

Xaa₅ is Ala or Thr;

Xaa₆ is Ala, Phe, Tyr or naphthylalanine;

Xaa₇ is Thr or Ser;

Xaa₈ is Ala, Ser or Thr;

Xaa₉ is Ala, Norval, Val, Norleu, Asp or Glu;

Xaa₁₀ and Xaa₁₄ are each independently Ala, Leu, Ile, Val, pentylglycine or Met;

Xaa₁₁ is Ala or Ser;

Xaa₁₂ and Xaa₂₇ are each independently Ala or Lys;

Xaa₁₃ is Ala or Gln;

Xaa₁₅, Xaa₁₆ and Xaa₁₇ are each independently Ala or Glu;

Xaa₁₉ is Ala or Val;

Xaa₂₀ is Ala or Arg;

Xaa₂₁ and Xaa₂₆ are each independently Ala or Leu;

Xaa₂₂ is Phe, Tyr or naphthylalanine;

Xaa₂₃ is Ile, Val, Leu, pentylglycine, tert-butylglycine or Met;

Xaa₂₅ is Ala, Trp, Phe, Tyr or naphthylalanine;

Xaa₂₈ is Ala or Asn;

Xaa₃₁, Xaa₃₆, Xaa₃₇, and Xaa₃₈ are each independently Pro, homoproline, 3Hyp, 4Hyp,

thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine;

X₃₉ is Ser or Tyr;

Z₂ is -OH or -NH₂; and

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provided that no more than three of Xaa₃, Xaa₄, Xaa₅, Xaa₆, Xaa₈, Xaa₉, Xaa₁₀, Xaa₁₁, Xaa₁₂, Xaa₁₃, Xaa₁₄, Xaa₁₅, Xaa₁₆, Xaa₁₇, Xaa₁₉, Xaa₂₀, Xaa₂₁, Xaa₂₄, Xaa₂₅, Xaa₂₆, Xaa₂₇ and Xaa₂₈ are Ala; and provided also that if Xaa₁ is His, Arg or Tyr, then at least one of Xaa₃, Xaa₄ and Xaa₉ is Ala.

REPLACE claim 18 with the following:

Claim 18. The compound according to claim 17 wherein the peptide is Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-NH₂, (residues 1-28 of SEQ ID NO:4)-NH₂.

REPLACE claim 26 with the following:

Claim 26. The compound according to claim 1 wherein the peptide is Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-NH₂, (residues 1-28 of SEQ ID NO:4)-NH₂.

REPLACE claim 29 with the following:

Claim 29. A peptide compound or pharmaceutically acceptable salt, thereof, selected from:

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-Ser-Gly-Ala-Xaa₃₆-Xaa₃₇-Xaa₃₈-Z₂, (residues 1-38 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-Ser-Gly-Ala-Xaa₃₆-Xaa₃₇-Z₂, (residues 1-37 of SEQ ID NO:4)-Z₂;

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Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Ala-Xaa₃₆-Z₂, (residues 1-36 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Ala-Z₂, (residues 1-35 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Gly-Z₂, (residues 1-34 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Ser-Z₂, (residues 1-33 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-
Z₂, (residues 1-32 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Z₂,
(residues 1-31 of SEQ ID NO:4)-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Z₂,
(residues 1-30 of SEQ ID NO:4)-Z₂;

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Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Z₂, (residues 1-
29 of SEQ ID NO:4)-Z₂; and

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Z₂, (residues 1-28 of
SEQ ID NO:4)-Z₂;

wherein:

Xaa₁ is His or Ala;

Xaa₂ is Gly or Ala;

Xaa₃ and Xaa₂₄ are each independently Ala, Asp or Glu;

Xaa₄ is Ala or Gly;

Xaa₅ is Ala or Thr;

Xaa₆ is Ala, Phe or naphthylalanine;

Xaa₇ is Thr or Ser;

Xaa₈ is Ala, Ser or Thr;

Xaa₉ is Ala, Asp or Glu;

Xaa₁₀ is Ala, Leu or pentylglycine;

Xaa₁₁ is Ala or Ser;

Xaa₁₂ and Xaa₂₇ are each independently Ala or Lys;

Xaa₁₃ is Ala or Gln;

Xaa₁₄ is Ala, Leu, Met or pentylglycine;

Xaa₁₅, Xaa₁₆ and Xaa₁₇ are each independently Ala or Glu;

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Xaa₁₉ is Ala or Val;

Xaa₂₀ is Ala or Arg;

Xaa₂₁ and Xaa₂₆ are each independently Ala or Leu;

Xaa₂₂ is Phe or naphthylalanine;

Xaa₂₃ is Ile, Val or tert-butylglycine;

Xaa₂₅ is Ala, Trp or Phe;

Xaa₂₈ is Ala or Asn;

Xaa₃₁, Xaa₃₆, Xaa₃₇, and Xaa₃₈ are each independently Pro, homoproline, thioproline, N-methylalanine;

Z₂ is -OH or -NH₂; and

provided that no more than three of Xaa₃, Xaa₄, Xaa₅, Xaa₆, Xaa₈, Xaa₉, Xaa₁₀, Xaa₁₁, Xaa₁₂,

Xaa₁₃, Xaa₁₄, Xaa₁₅, Xaa₁₆, Xaa₁₇, Xaa₁₉, Xaa₂₀, Xaa₂₁, Xaa₂₄, Xaa₂₅, Xaa₂₆, Xaa₂₇ and Xaa₂₈ are

Ala; and provided also that if Xaa₁ is His then at least one of Xaa₃, Xaa₄ and Xaa₉ is Ala.

REPLACE claim 42 with the following:

Claim 42. A compound or pharmaceutically acceptable salt, thereof, selected from:

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-

Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Ser-Ser-Gly-

Ala-Xaa₃₆-Xaa₃₇-Xaa₃₈-Xaa₃₉-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-

Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-Xaa₂₇-Xaa₂₈-Gly-Gly-Xaa₃₁-Ser-

Ser-Gly-Ala-Xaa₃₆-Xaa₃₇-Xaa₃₈-Z₂;

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Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Ser-Ser-Gly-
Ala-Xaa₃₆-Xaa₃₇-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Ser-Ser-Gly-
Ala-Xaa₃₆-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Ser-Ser-Gly-
Ala-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Ser-Ser-Gly-
Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Ser-Ser-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Ser-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Xaa₃₁-Z₂;;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Gly-Z₂;

Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-
Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Gly-Z₂; and

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Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-Z₂;

wherein:

Xaa₁ is His, Arg, Tyr, Ala, Norval, Val, Norleu or 4-imidazolepropionyl;

Xaa₂ is Ser, Gly, Ala or Thr;

Xaa₃ and Xaa₂₄ are each independently Ala, Asp or Glu;

Xaa₄ is Ala, Norval, Val, Norleu or Gly;

Xaa₅ is Ala or Thr;

Xaa₆ is Ala, Phe, Tyr or naphthylalanine;

Xaa₇ is Thr or Ser;

Xaa₈ is Ala, Ser or Thr;

Xaa₉ is Ala, Norval, Val, Norleu, Asp or Glu;

Xaa₁₀ and Xaa₁₄ are each independently Ala, Leu, Ile, Val, pentylglycine or Met;

Xaa₁₁ is Ala or Ser;

Xaa₁₂ is Ala or Lys;

Xaa₁₃ is Ala or Gln;

Xaa₁₅, Xaa₁₆ and Xaa₁₇ are each independently Ala or Glu;

Xaa₁₉ is Ala or Val;

Xaa₂₀ is Ala or Arg;

Xaa₂₁ is Ala, Leu or Lys(R),

where R is attached to the ε-amine of lysine and is selected from the group consisting of

Lys, Arg, C₁-C₁₀ straight chain or branched alkanoyl or cycloalkylalkanoyl;

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Xaa₂₂ is Phe, Tyr or naphthylalanine;

Xaa₂₃ is Ile, Val, Leu, pentylglycine, tert-butylglycine or Met;

Xaa₂₅ is Ala, Trp, Phe, Tyr or naphthylalanine;

Xaa₂₆ is Ala or Leu;

X₁ is Lys-Asn, Asn-Lys, Lys(R)-Asn, Lys(R)-Ala, Asn-Lys(R) and Ala-Lys(R),

where R is attached to the ϵ -amine of lysine and is selected from the group consisting of Lys, Arg, C₁-C₁₀ straight chain or branched alkanoyl or cycloalkylalkanoyl;

Xaa₃₁, Xaa₃₆, Xaa₃₇, and Xaa₃₈ are each independently Pro, homoproline, 3Hyp, 4Hyp,

thioprolin, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine;

X₃₉ is Ser or Tyr;

Z₂ is -OH or -NH₂; and

provided that no more than three of Xaa₃, Xaa₄, Xaa₅, Xaa₆, Xaa₈, Xaa₉, Xaa₁₀, Xaa₁₁, Xaa₁₂,

Xaa₁₃, Xaa₁₄, Xaa₁₅, Xaa₁₆, Xaa₁₇, Xaa₁₉, Xaa₂₀, Xaa₂₁, Xaa₂₄, Xaa₂₅, Xaa₂₆, Xaa₂₇ and Xaa₂₈ are

Ala; and provided also that if Xaa₁ is His, Arg, Tyr or 4-imidazolepropionyl, then at least one of

Xaa₃, Xaa₄ and Xaa₉ is Ala.

REPLACE claim 59 with the following:

Claim 59. The compound according to claim 42 wherein the compound is Xaa₁-Xaa₂-Xaa₃-Xaa₄-

Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-Xaa₁₇-Ala-Xaa₁₉-

Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-NH₂.

REPLACE claim 67 with the following:

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Claim 67. The compound according to claim 42 wherein the compound is Xaa₁-Xaa₂-Xaa₃-Xaa₄-Xaa₅-Xaa₆-Xaa₇-Xaa₈-Xaa₉-Xaa₁₀-Xaa₁₁-Xaa₁₂-Xaa₁₃-Xaa₁₄-Xaa₁₅-Xaa₁₆-Xaa₁₇-Ala-Xaa₁₉-Xaa₂₀-Xaa₂₁-Xaa₂₂-Xaa₂₃-Xaa₂₄-Xaa₂₅-Xaa₂₆-X₁-OH.

THIS IS A DRAFT PROPOSAL.